

REMARKS

Applicants thank the Examiner for the attention to this application. The Application was examined with 21 claims. Claims 1, 2, 4 – 21 and 23 are currently pending. Claim 11 has been amended for extra clarity. No new subject matter was added by way of these amendments that are fully supported in the disclosure.

No Double Patenting

The Examiner has alleged that claim 11 is not patentably distinct from claim 2 of co-pending application 10/679,181. Applicants respectfully submit that claim 2 of the 10/679,181 application claims a system for controlling user interface features of a web application, whereas amended claim 11 of the present application is directed to a method of extending interactivity of a presentation markup language. Applicants submit that claim 11 as presently amended claims subject matter that is patentably distinct from the subject matter of claim 2 of the 10/679,181 application as amended January 11, 2008.

Response to Arguments

In response to Applicants' argument that Dreamweaver does not disclose a system for extending interactivity of a presentation markup language, the Examiner has noted that Dreamweaver is a web development tool. Applicants respectfully submit that a web development tool is not a system for extending interactivity of a presentation markup language. A web development tool, such as Dreamweaver, is a tool that facilitates the creation of a web page using a presentation markup language, it does not extend the presentation markup language in any way.

The Examiner has alleged that attributes such as size are not Dreamweaver specific since the attributes are described in a presentation markup language. Applicants respectfully

submit that the functions taught by the Dreamweaver reference are specific to Dreamweaver. The specific functions of Dreamweaver may use attributes that are described in a presentation markup language. However these functions do not extend the interactivity of the presentation markup language.

The Examiner has alleged that tree control functions are used to access designated elements stored in tree nodes and that the nodes described by DOM are objects or elements that make up the document tree. Applicants respectfully submit that this does not disclose searching a document object model for a designated control element and calling a function associated with the designated control element.

The Examiner has alleged that Dreamweaver discloses tree controls and tree nodes are parsed by Dreamweaver and stored in the document tree, the tree controls and tree nodes can then be manipulated just like any other document nodes. Applicants note that Dreamweaver describes creating a document tree (i.e., the DOM). Dreamweaver fails to disclose an initialization function for processing elements in the DOM. Dreamweaver further fails to disclose calling functions having function names associated with the identified designated elements based on the naming convention.

The Examiner has alleged that Cain teaches creating a function name automatically, the name assigned to the function relates to the function for a function of a button on a graphical user interface. Applicants have amended claim 13 to clarify that the function name is dynamically generated based on the name of the designated element that follows the designated naming convention. The name generated by Cain does not generate a function name.

Claim Rejections – 35 USC § 102

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Turning to the specific art rejections, and considering first the rejection of claims 11 – 12, 15 – 17 and 21 under 35 U.S.C. § 102(b) as anticipated by Extending Dream first edition by Macromedia (Dreamweaver), Applicants respectfully request reconsideration of the relevance of the Dreamweaver reference.

Dreamweaver is an application that can be used to design websites and web applications. Dreamweaver provides an editor for creating the websites. The HTML generated by Dreamweaver may include JavaScript. Dreamweaver is provided with basic functionality for creating and generating the web pages.

Dreamweaver has an application programming interface (API) that defines various methods that are exposed by the Dreamweaver application. The methods of the API may be used by a developer to create extensions to the Dreamweaver application. The extensions that can be created using the API allow for new functionality to be added to the Dreamweaver editor.

For example, a developer may wish to design a Dreamweaver extension that provides the Dreamweaver editor with the added functionality of inserting random text into a web page layout to allow a designer to view the page layout with text, without requiring large amounts of text be entered. The extension developer may create the desired functionality by creating an HTML document, including JavaScript code using the Dreamweaver API. The cited reference describes how the API may be used by a developer in order to create new extensions.

One skilled in the art having regard to the cited references would be able to better understand the API of Dreamweaver, as well as how to use that API in order to create extensions for Dreamweaver. They would not, however be led to the desirability of the functionality described by the current application, nor would they be led to the solution taught by the current application for providing this functionality.

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Regarding independent claim 11, Applicants respectfully submit that the Dreamweaver reference fails to disclose the claimed subject matter in general, and further fails to disclose the specific limitations of the independent claim. In particular Dreamweaver fails to teach or for that matter suggest:

A method of extending interactivity of a presentation markup language, the method comprising the steps of:

searching for a designated control element, having a name which follows a designated naming convention, in a document object model; and
calling a function, having a function name based on the naming convention, associated with the designated control element. (emphasis added).

(Claim 11, as amended).

Applicants respectfully submit that the subject matter of amended independent claim 11 is not anticipated by the Dreamweaver reference.

Claims 12, 15 – 17 and 21 are dependent on claim 11, and are allowable for the same reason above adduced related to claim 11, as well as for their own additional limitations.

Claim Rejections – 35 USC § 103

Turning next to the rejection of claims 1 – 2 and 4 – 9 under 35 U.S.C. § 103(a) for allegedly being unpatentable over Dreamweaver and the Scalable Vector Graphics specification 1.1 (SVG), Applicants respectfully request reconsideration of this rejection.

SVG describes a markup language that can be used to create graphics. The SVG specification does not support creating applications that require control of statement flow.

As set forth above, the Dreamweaver reference does not teach or disclose the general subject matter of the current application, nor the specific limitations of the current claims.

Applicants further submit that the SVG reference does not teach any information that one skilled in the art could apply to the Dreamweaver reference to arrive at the currently claimed subject matter. In addition to failing to overcome the deficiencies of the Dreamweaver reference, one skilled in the art would not be led to apply the SVG specification to the Dreamweaver reference. If one skilled in the art were to combine the two references, they would be led to creating a Dreamweaver extension that provides SVG rendering capabilities to the Dreamweaver program using the Dreamweaver API.

The combined teachings of Dreamweaver and SVG fail to disclose:

A system for extending interactivity of a presentation markup language, the system comprising:

a collection of designated elements defined using a markup language, the collection of

designated elements comprising one or more flow control elements for controlling

statement flow of a web application, each designated element comprising:

a namespace; and

attributes for describing features of the designated element; and

a collection of associated instructions for performing functions to elements in a

document object model, the instructions associated with the designated elements.

(emphasis added). (Claim 1).

The Examiner has alleged that the 'switch' element of SVG discloses the collection of designated elements comprising one or more flow control elements for controlling statement flow of a web application. Applicants note that the 'switch' element controls the rendering of the SVG document, or elements of the SVG document. The switch element is not for controlling statement flow of a web application as required by the independent claim.

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Applicants respectfully submit that independent claim 1 comprises subject matter that would not be obvious to one skilled in the art having regard to the teachings of Dreamweaver and SVG.

Claims 2 and 4 - 9 are dependent on claim 1 and are allowable for the same reasons above adduced relative to claim 1, as well as for their own additional limitations.

Turning to the rejection of claims 13, 14 and 18 - 20 as being unpatentable over Dreamweaver and Cain, claims 13, 14 and 18-20 are directly or indirectly dependent on claim 11.

The deficiencies of Dreamweaver vis-à-vis claim 11 are discussed above. Cain fails to teach or suggest any information that one skilled in the art could apply to the teachings of Dreamweaver in order to arrive at claim 11, or claims 13, 14 and 18 - 20, which depend thereon.

The Examiner has rejected claims 10 and 23 under 35 U.S.C. 103(a) as allegedly being unpatentable over Dreamweaver, SVG and Cain. Applicants respectfully request reconsideration of this rejection.

As set forth above the Dreamweaver reference does not describe the subject matter of the current application in general. Furthermore the combined references fail to describe the specific limitations of claim 10:

A method of extending interactivity of presentation markup languages, the method comprising:

controlling statement flow of a web application, the method comprising the

steps of:

searching for a flow control element in a document object model of the web

application;

generating a function name associated with the flow control element;

calling the generated function name; and

processing child elements of the flow control element. (emphasis added). (Claim 10).

Claim 23 includes the above limitations, and more.

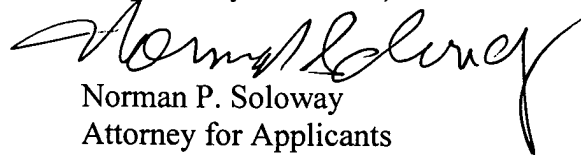
The combined teachings of Dreamweaver, SVG and Cain do not disclose controlling statement flow of a web application. As set forth above the 'switch element' of SVG controls the rendering of the SVG document and not for controlling statement flow of a web application. Cain does not generate a function name associated with the flow control element. The function name generated by Cain is automatically generated, for example when a button is created. This does not generate a function name associated with the flow control element which is in the document object model of the web application.

Thus, claims 10 and 23 cannot be said to be obvious from Dreamweaver, SVG and Cain.

Enclosed is Form PTO-2038 in the amount of \$930.00 to cover the cost of Petition for a One Month Extension of Time and Request for Continued Examination (RCE).

In the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account Number 08-1391.

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